

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 October 2022
Team ID	PNT2022TMID33413
Project Name	PERSONAL EXPENSE TRACKER
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	P.Sajith S.Ramanthosh
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Sivasubramaniam
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	K.Sudarson P.Sajith
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	S.Ramsanthosh Sivasubramaniam
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	K.Sudarson
Sprint -2	Dashboard	USN-6	As a user after logged in, I wished to see my wallet page.	1	Low	Sivasubramaniam
Sprint-2		USN-7	As a user, I can add expense under expense page.	2	High	S.Ramsanthosh K.Sudarson
Sprint-3	Backend	USN-8	As a developer, I need to create back end database for storing information.	1	High	P.Sajith
Sprint-3		USN-9	As a developer, automate the mail to send alert when expense reach the limit.	1	Medium	S.Ramsanthosh

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Containerization & Testing	UNS-10	As a developer, Need to container the project in the professional way to work every where.	2	High	K.Sudarson S.Ramsanthosh
Sprint-4		USN-11	As a developer, test the project to check whether the project correctly work or not.	2	High	P.Sajith Sivasubramaniam

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>
<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management>
<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>
<https://www.atlassian.com/agile/tutorials/epics>
<https://www.atlassian.com/agile/tutorials/sprints>
<https://www.atlassian.com/agile/project-management/estimation>
<https://www.atlassian.com/agile/tutorials/burndown-charts>